

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069300 A1

(51) International Patent Classification⁷: **G11B 27/10,**
G06F 17/30

(21) International Application Number:
PCT/EP2004/013241

(22) International Filing Date:
22 November 2004 (22.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10 2004 001 207.5 6 January 2004 (06.01.2004) DE

(71) Applicant (for all designated States except US): **THOM-
SON LICENSING S.A.** [FR/FR]; 46, Quai A. le Gallo,
F-92100 Boulogne-Billancourt (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WINTER, Marco**
[DE/DE]; Böhmerstr. 17, 30173 Hannover (DE).

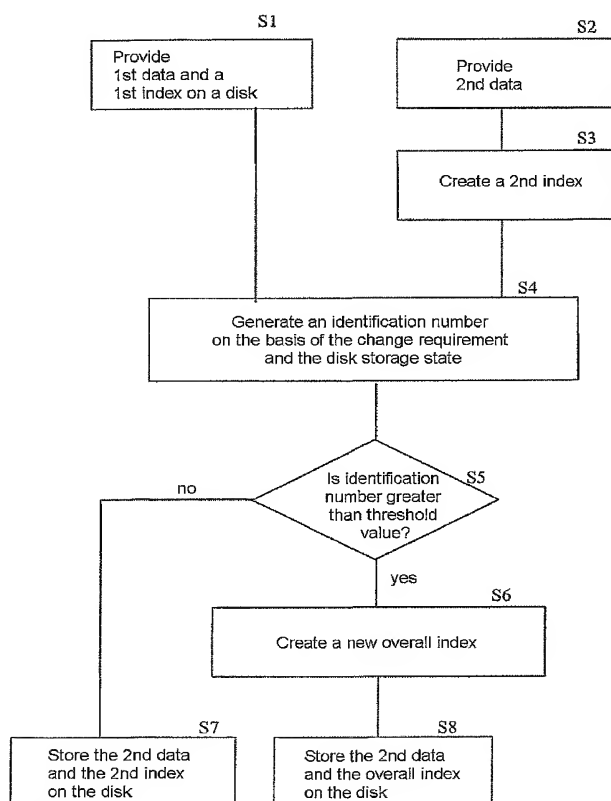
JANSSEN, Uwe [DE/DE]; Niedersachsenstr. 53, 30926
Seelze (DE). **KLAUSBERGER, Wolfgang** [DE/DE]; Am
Uhrturm 26, 30519 Hannover (DE). **KUBSCH, Stefan**
[DE/DE]; Im Ohr 2, 31559 Hohnhorst (DE). **HEPPER,**
Dietmar [DE/DE]; Wernigeroder Weg 41, 30419 Han-
nover (DE).

(74) Agent: **RITTNER, Karsten**; Deutsche Thomson-Brandt
GmbH, European Patent Operations, Karl-Wiechert-Allee
74, 30625 Hannover (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR UPDATING DATA ON A DISK STORAGE MEDIUM



(57) Abstract: The use of disk-assisted, dynamic databases is to be optimized. To this end, provision is made for new data intended to update an old stock of data to have a second index, relating to the new data, generated for them (S3), and for said second index to be stored (S4) on the disk storage medium as a supplement to the first index relating to the old stock of data (S1). This allows the number of write access operations to the disk storage medium to be reduced. This is particularly advantageous for optical media, whose useful life can be increased as a result.

WO 2005/069300 A1



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.